Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	"5862335".pn. "6675205".pn. "6766364".pn.	US-PGPUB; USPAT	OR	OFF	2005/02/18 16:00
L2	1	"5862335".pn. and peer$7	US-PGPUB; USPAT	OR	OFF	2005/02/18 16:34
L3	1	"5862335".pn. and local$5	US-PGPUB; USPAT	OR	OFF	2005/02/18 16:36
L4	0	"5862335".pn. and (internet wan)	US-PGPUB; USPAT	OR	OFF	2005/02/18 16:41
L5	0	"5862335".pn. and (firewall)	US-PGPUB; USPAT	OR	OFF	2005/02/18 16:42
L6	0	"5991881".pn. and (firewall)	US-PGPUB; USPAT	OR	OFF	2005/02/18 16:42
S1	772709	monitor$3 traffic	US-PGPUB; USPAT	OR	OFF	2005/02/17 11:00
S2	10887	monitor$3 with traffic	US-PGPUB; USPAT	OR	OFF	2005/02/17 11:00
S3	2630	monitor$3 adj traffic	US-PGPUB; USPAT	OR	OFF	2005/02/17 11:01
S4	7249	(peer adj to adj peer) (peer-to-peer) p2p	US-PGPUB; USPAT	OR	OFF	2005/02/18 09:27
S5	1	S3 same S4	US-PGPUB; USPAT	OR	OFF	2005/02/17 11:05
S6	1	"6044402".pn.	US-PGPUB; USPAT	OR	OFF	2005/02/17 11:06
S7	3645	709/224.ccls.	US-PGPUB; USPAT	OR	OFF	2005/02/17 11:06
S8	174	S4 and S7	US-PGPUB; USPAT	OR	OFF	2005/02/17 11:06
S9	143	S3 and S4	US-PGPUB; USPAT	OR	OFF	2005/02/17 11:06
S10	14	S8 and S9	US-PGPUB; USPAT	OR	OFF	2005/02/17 11:06
S11	37	("4319326" \| "5235414" \| "5483276" \| "5515376" \| "5524238" \| "5642485" \| "5654905" \| "5675510" \| "5696898" \| "5708780" \| "5710884" \| "5712979" \| "5715314" \| "5724424" \| "5727129" \| "5732218" \| "5752159" \| "5778182" \| "5781909" \| "5794210" \| "5819156" \| "5835722" \| "5848396" \| "5857190" \| "5867651" \| "5878384" \| "5884033" \| "5915243" \| "5918014" \| "5987611" \| "6018619" \| "6108637" \| "6122657" \| "6122740" \| "6138155" \| "6148336" \| "6189030").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/17 11:28

740

S12	104	S8 and traffic	US-PGPUB; USPAT	OR	OFF	2005/02/17 11:30
S13	6	("6381632").URPN.	USPAT	OR	OFF	2005/02/17 11:35
S14	3	("6484203").URPN.	USPAT	OR	OFF	2005/02/17 11:38
S15	3	("6484203").URPN.	USPAT	OR	OFF	2005/02/17 11:40
S16	7	("5539659" \| "5706210" \| "5922051" \| "5974237" \| "5974457" \| "5991881" \| "6396845").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/17 11:40
S17	1	"6321338".pn.	US-PGPUB; USPAT	OR	OFF	2005/02/17 13:37
S18	7249	(peer adj to adj peer) (peer-to-peer) p2p	US-PGPUB; USPAT	OR	OFF	2005/02/17 14:20
S19	529	monitor$3 same S18	US-PGPUB; USPAT	OR	OFF	2005/02/17 14:21
S20	352	monitor$3 same S18 same network$	US-PGPUB; USPAT	OR	OFF	2005/02/17 14:21
S21	31	monitor$3 same S18 same network$ same traffic	US-PGPUB; USPAT	OR	OFF	2005/02/17 14:22
S22	0	("2003/0196148").URPN.	USPAT	OR	OFF	2005/02/17 14:37
S23	1	"5991881".pn. and (user$1 client$1 peer$1 computers)	USPAT	OR	OFF	2005/02/17 14:46
S24	1	"6088731".pn.	USPAT	OR	OFF	2005/02/18 08:42
S25	6	file adj shar$3 with monitor$4	USPAT	OR	OFF	2005/02/18 08:45
S26	130	shar$3 with monitor$4 same traffic	USPAT	OR	OFF	2005/02/18 08:54
S27	207	monitor$3 with peer$1	USPAT	OR	OFF	2005/02/18 08:55
S28	4	monitor$3 with peer$1 same traffic	USPAT	OR	OFF	2005/02/18 08:57
S29	54	monitor$3 with (ip internet adj protocol) near4 traffic	USPAT	OR	OFF	2005/02/18 09:27
S30	7249	(peer adj to adj peer) (peer-to-peer) p2p	US-PGPUB; USPAT	OR	OFF	2005/02/18 09:51
S31	358	S30 same (shar$4 adj (data file$1 content$1 information))	US-PGPUB; USPAT	OR	OFF	2005/02/18 09:28
S32	19	S30 same (shar$4 adj (data file$1 content$1 information)) same monitor$4	US-PGPUB; USPAT	OR	OFF	2005/02/18 09:30
S33	10	S30 same (shar$4 adj (data file$1 content$1 information)) same (track watch)	US-PGPUB; USPAT	OR	OFF	2005/02/18 09:31
S34	14	S30 same (shar$4 adj (data file$1 content$1 information)) same (track$3 watch$3)	US-PGPUB; USPAT	OR	OFF	2005/02/18 09:31
S35	0	("2003/0097299").URPN.	USPAT	OR	OFF	2005/02/18 09:34
S36	26	monitor with piracy	USPAT	OR	OFF	2005/02/18 09:34
S37	34	monitor$3 with piracy	USPAT	OR	OFF	2005/02/18 09:34

S38	4685	(peer adj to adj peer) (peer-to-peer) p2p and monitor$3	US-PGPUB	OR	OFF	2005/02/18 09:52
S39	4775	(peer adj to adj peer) (peer-to-peer) p2p	US-PGPUB	OR	OFF	2005/02/18 09:52
S40	3102	S39 and monitor$3	US-PGPUB	OR	OFF	2005/02/18 09:52
S41	363	S39 same monitor$3	US-PGPUB	OR	OFF	2005/02/18 09:55
S42	74	S41 and @ad<"20011220"	US-PGPUB	OR	OFF	2005/02/18 10:40
S43	17201	network with monitor$3	US-PGPUB	OR	OFF	2005/02/18 10:39
S44	37785	network with monitor$3	US-PGPUB; USPAT	OR	OFF	2005/02/18 10:40
S45	25506	S44 and @ad<"20011220"	US-PGPUB; USPAT	OR	OFF	2005/02/18 10:40
S46	2667	S45 and (network with monitor$3 same transfer$4)	US-PGPUB; USPAT	OR	OFF	2005/02/18 10:40
S47	1526	S45 and (network with monitor$3 same transfer$4 near4 (file$1 content data information))	US-PGPUB; USPAT	OR	OFF	2005/02/18 10:41
S48	1608	S45 and (network with monitor$3 same transfer$4 near4 (file$1 content data information packet$1))	US-PGPUB; USPAT	OR	OFF	2005/02/18 10:41
S49	559	S45 and (network with monitor$3 same transfer$4 adj (file$1 content data information packet$1))	US-PGPUB; USPAT	OR	OFF	2005/02/18 10:49
S50	1	"20020107953"	US-PGPUB; USPAT	OR	OFF	2005/02/18 11:07
S51	3645	709/224.ccls.	US-PGPUB; USPAT	OR	OFF	2005/02/18 10:54
S52	1	S50 and S51	US-PGPUB; USPAT	OR	OFF	2005/02/18 10:52
S53	1304	709/204.ccls.	US-PGPUB; USPAT	OR	OFF	2005/02/18 10:59
S54	52	S53 and S51	US-PGPUB; USPAT	OR	OFF	2005/02/18 10:54
S55	3335	713/201.ccls.	US-PGPUB; USPAT	OR	OFF	2005/02/18 10:58
S56	9	S55 and S53	US-PGPUB; USPAT	OR	OFF	2005/02/18 10:58
S57	7737	709/223-225.ccls.	US-PGPUB; USPAT	OR	OFF	2005/02/18 10:59
S58	312	S46 and S57	US-PGPUB; USPAT	OR	OFF	2005/02/18 10:59
S59	84	S49 and S57	US-PGPUB; USPAT	OR	OFF	2005/02/18 11:00
S60	84	S59 not S54	US-PGPUB; USPAT	OR	OFF	2005/02/18 11:06

S61	2	"20020107953" "6453345".pn.	US-PGPUB; USPAT	OR	OFF	2005/02/18 14:16
S62	3335	713/201.ccls.	US-PGPUB; USPAT	OR	OFF	2005/02/18 14:17
S63	105	S62 and ("denial of service" dos) near4 attack$3	US-PGPUB; USPAT	OR	OFF	2005/02/18 14:17
S64	29	S62 and ("denial of service" dos) near4 attack$3 and peer	US-PGPUB; USPAT	OR	OFF	2005/02/18 15:52

PORTAL
US Patent & Trademark Office

Subscribe (Full Service) Register (Limited Service, Free) Login

Search: The ACM Digital Library The Guide

traffic monitor p2p SEARCH

THE ACM DIGITAL LIBRARY

Feedback Report a problem Satisfaction survey

Terms used **traffic monitor p2p** Found **5,633** of **150,885**

Sort results by: publication date

Display results: expanded form

Save results to a Binder

Search Tips

Open results in a new window

Try an Advanced Search

Try this search in The ACM Guide

Results 161 - 180 of 200 Result page: previous 1 2 3 4 5 6 7 8 **9** 10 next

Best 200 shown Relevance scale

161 The coordinative functions of flight strips: air traffic control work revisited

Johan Berndtsson, Maria Normark

November 1999 **Proceedings of the international ACM SIGGROUP conference on Supporting group work**

Full text available: pdf(1.73 MB) Additional Information: full citation, abstract, references, citings, index terms

Cooperation in time-critical and physically distributed work settings, such as air traffic control, requires extensive coordination between the involved actors. For this coordination to be efficient the controllers rely both on the comprehensive use of rules and procedures, and on artifacts supporting them in following these procedures. At the Copenhagen Air Traffic Control Center this coordination is largely carried out through the use of a flight plan database system, paper flight strips, ...

Keywords: CSCW, air traffic control, automation, closed-circuit television system, computerization, coordination, flight strips

162 A measurement analysis of Internet traffic over frame relay

Judith L. Jerkins, John Monroe, Jonathan L. Wang

September 1999 **ACM SIGMETRICS Performance Evaluation Review**, Volume 27 Issue 2

Full text available: pdf(1.09 MB) Additional Information: full citation, abstract, index terms

Various approaches have been proposed and implemented to relieve the congestion in the Public Switched Telephone Networks (PSTNs) induced by recent meteoric growth of Internet services. The Internet/Intranet Transport Service (IITS) offered by the Southwestern Bell Telephone (SWBT) Company provides an example of one such implementation which off-loads the long-holding time data traffic from PSTNs to a packet technology (in this case Frame Relay).This paper describes analysis of 1997 IITS traffic ...

163 Design of a high-performance ATM firewall

Jun Xu, Mukesh Singhal

August 1999 **ACM Transactions on Information and System Security (TISSEC)**, Volume 2 Issue 3

Full text available: pdf(143.19 KB) Additional Information: full citation, abstract, references, index terms

A router-based packet-filtering firewall is an effective way of protecting an enterprise network from unauthorized access. However, it will not work efficiently in an ATM network because it requires the termination of end-to-end ATM connections at a packet-filtering

router, which incurs huge overhead of SAR (Segmentation and Reassembly). Very few approaches to this problem have been proposed in the literature, and none is completely satisfactory. In this paper we present the hardware desig ...

Keywords: TCP/IP, asynchronous transfer mode, firewall, packet filtering, switch architecture

164 Papers: Effect of traffic knowledge on the efficiency of admission-control policies
Ljiljana Trajković, Arnie Neidhardt
January 1999 **ACM SIGCOMM Computer Communication Review**, Volume 29 Issue 1
Full text available: pdf(2.35 MB) Additional Information: full citation, abstract, references, citings

We investigate the importance of understanding traffic characteristics for admission-control policies in packet networks. We compare the network utilization achieved with admission policies based on a partial knowledge of admitted traffic against the utilization that could be achieved with complete knowledge of traffic characteristics. Our quantitative study demonstrates that for realistic traffic traces the level of traffic knowledge dramatically affects admission control and improves network u ...

165 Design of a high-performance ATM firewall
Jun Xu, Mukesh Singhal
November 1998 **Proceedings of the 5th ACM conference on Computer and communications security**
Full text available: pdf(1.27 MB) Additional Information: full citation, references, index terms

166 Dynamic capacity allocation and hybrid multiplexing techniques for ATM wireless LANs
Anthony Burrell, Harold P. Stern, P. Papantoni-Kazakos
September 1998 **Mobile Networks and Applications**, Volume 3 Issue 3
Full text available: pdf(210.74 KB) Additional Information: full citation, abstract, references, citings, index terms

We consider digital wireless multimedia LANs and time-varying traffic rates. To deal effectively with the dynamics of the time-varying traffic rates, a Traffic Monitoring Algorithm (TMA) is deployed to dynamically allocate channel capacities to the heterogeneous traffics. The TMA is implemented as a higher level protocol that dictates the capacity boundaries within two distinct framed transmission techniques: a Framed Time Domain-Based (FTDB) technique and a Framed CDMA (FCDMA) technique. T ...

167 An object-based infrastructure for program monitoring and steering
Greg Eisenhauer, Karsten Schwan
August 1998 **Proceedings of the SIGMETRICS symposium on Parallel and distributed tools**
Full text available: pdf(1.50 MB) Additional Information: full citation, references, index terms

168 Adaptive VBR video traffic management for higher utilization of ATM networks
Girish Chiruvolu, Ravi Sankar, N. Ranganathan
July 1998 **ACM SIGCOMM Computer Communication Review**, Volume 28 Issue 3
Full text available: pdf(905.90 KB) Additional Information: full citation, abstract, index terms

The VBR video traffic exhibits high burstiness and correlation properties that are quite

complex to be captured by a single traffic model. Efficient resource management based on few parameters of the source traffic is highly desirable. The real-time VBR video traffic has stringent quality of service (QoS) requirements such as delay (few milliseconds) and cell loss (1 in 10 $^{-5}$) that are difficult to achieve with good utilization (> 0.6) by static bandwidth allocation schemes. In ...

Keywords: ATM network, dynamic bandwidth allocation, video traffic predicition

169 Network monitoring system design
Bob Barr, Sung Yoo, Tom Cheatham
March 1998 **ACM SIGCSE Bulletin , Proceedings of the twenty-ninth SIGCSE technical symposium on Computer science education**, Volume 30 Issue 1
Full text available: pdf(646.81 KB) Additional Information: full citation, abstract, references, index terms

Computer networks can be very useful, but difficult to manage. Current network management tools tend to be either very expensive or inadequate for classroom modification. XSNIFF is a project to develop an alternative network monitoring tool with a graphical display in the X-Window environment. XSNIFF uses an efficient network packet filtering system developed by Jacobson, Leres, and McCanne of Lawrence Berkeley Laboratory[Jacobson, 1994], to receive all network traffic from the network wire and ...

170 Traffic descriptor mapping and traffic control for frame relay over ATM network
Sudhir S. Dixit, Sharad Kumar
February 1998 **IEEE/ACM Transactions on Networking (TON)**, Volume 6 Issue 1
Full text available: pdf(345.04 KB) Additional Information: full citation, references, index terms

Keywords: ATM, cell relay, frame relay, quality of service, traffic management

171 Applying the RMON standard to switched environments
Nathan Kalowski
November 1997 **International Journal of Network Management**, Volume 7 Issue 6
Full text available: pdf(431.41 KB) Additional Information: full citation, abstract, index terms

As today's enterprise networks become increasingly complex, so Network Managers have an increasing need for effective tools to monitor and analyse them. This article discusses the RMON standard, and the groups it defines, from a practical persperspective. © 1997 John Wiley & Sons, Ltd.

172 Network Management & Monitoring with Linux
David Guerrero
June 1997 **Linux Journal**
Full text available: html(26.92 KB) Additional Information: full citation, abstract, references, index terms

Monitoring network activity is a necessity for today's managers. Here are some handy and easily accessible tools for doing so

173 Transmission policies and traffic management in multimedia wireless networks
Anthony Burrell, Harold P. Stern, P. Papantoni-Kazakos
May 1997 **Wireless Networks**, Volume 3 Issue 2
Full text available: pdf(358.34 KB) Additional Information: full citation, abstract, references, citings, index terms

We consider multimedia wireless networks in environments where traffic characterizations and traffic rates are generally time-varying. For such networks we propose a CDMA transmission policy, in conjunction with a moving boundaries concept induced by a traffic monitoring high-level protocol. The proposed transmission/traffic management technique is analyzed and numerically evaluated.

174 Spectrum sharing under the asynchronous UPCS etiquette: the performance of collocated systems under heavy load
Ivan Vukovic, John McKown
November 1996 **Proceedings of the 2nd annual international conference on Mobile computing and networking**
Full text available: pdf(534.68 KB) Additional Information: full citation, references, index terms

175 Fault-tolerance in air traffic control systems
Flaviu Cristian, Bob Dancey, Jon Dehn
August 1996 **ACM Transactions on Computer Systems (TOCS)**, Volume 14 Issue 3
Full text available: pdf(264.57 KB) Additional Information: full citation, abstract, references, citings, index terms, review

The distributed real-time system services developed by Lockheed Martin's Air Traffic Management group serve the infrastructure for a number of air traffic control systems. Either completed development or under development are the US Federal Aviation Administration's Display System Replacement (DSR) system, the UK Civil Aviation Authority's New Enroute Center (NERC) system, and the Republic of China's Air Traffic Control Automated System (ATCAS). These systems are intended to replace present ...

Keywords: exception handling, failure, failure classification, failure masking, failure semantics, fault-tolerant systems, group communications, redundancy, server group, software robustness, system architecture

176 Performance management issues in ATM networks: traffic and congestion control
Dominique Gaïti, Guy Pujolle
April 1996 **IEEE/ACM Transactions on Networking (TON)**, Volume 4 Issue 2
Full text available: pdf(984.30 KB) Additional Information: full citation, references, citings, index terms

177 In-service monitoring for cell loss quality of service violations in ATM networks
Hongbo Zho, Victor S. Frost
April 1996 **IEEE/ACM Transactions on Networking (TON)**, Volume 4 Issue 2
Full text available: pdf(908.56 KB) Additional Information: full citation, references, citings, index terms

178 Investigating monitoring configurations
Hasina Abdu, Hanan Lutfiyya, Michael A. Bauer
February 1996 **Proceedings of the 1996 ACM symposium on Applied Computing**
Full text available: pdf(685.00 KB) Additional Information: full citation, references, citings, index terms

Keywords: agents, configurations, directives, distributed systems, monitoring

179 A comparison of system monitoring methods, passive network monitoring and kernel instrumentation

A. W. Moore, A. J. McGregor, J. W. Breen

January 1996 **ACM SIGOPS Operating Systems Review**, Volume 30 Issue 1

Full text available: pdf(1.89 MB) Additional Information: full citation, abstract, index terms

This paper presents the comparison of two methods of system monitoring, passive network monitoring and kernel instrumentation. The comparison is made on the basis of passive network monitoring being used as a replacement for kernel instrumentation in some situations. Despite the fact that the passive network monitoring technique is shown to perform poorly as a direct replacement for kernel instrumentation, this paper indicates the areas where passive network monitoring could be used to the great ...

180 Multi-hour, multi-traffic class network design for virtual path-based dynamically reconfigurable wide-area ATM networks

D. Medhi

December 1995 **IEEE/ACM Transactions on Networking (TON)**, Volume 3 Issue 6

Full text available: pdf(1.12 MB) Additional Information: full citation, references, citings, index terms

Keywords: duality and subgradient optimization, dynamic virtual path routing, multi-hour network capacity design, on-off fluid flow model, optimization model, wide-area ATM networks

Results 161 - 180 of 200 Result page: previous 1 2 3 4 5 6 7 8 **9** 10 next

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2005 ACM, Inc.
Terms of Usage Privacy Policy Code of Ethics Contact Us

Useful downloads: Adobe Acrobat QuickTime Windows Media Player Real Player

PORTAL
US Patent & Trademark Office

Subscribe (Full Service) Register (Limited Service, Free) Login

Search: The ACM Digital Library The Guide

traffic monitor p2p SEARCH

THE ACM DIGITAL LIBRARY

Feedback Report a problem Satisfaction survey

Terms used **traffic monitor p2p** Found **5,633** of **150,885**

Sort results by: publication date

Display results: expanded form

Save results to a Binder

Search Tips

Open results in a new window

Try an Advanced Search

Try this search in The ACM Guide

Results 141 - 160 of 200 Result page: previous 1 2 3 4 5 6 7 **8** 9 10 next

Best 200 shown Relevance scale

141 Passive measurements: New directions in traffic measurement and accounting

Cristian Estan, George Varghese

November 2001 **Proceedings of the 1st ACM SIGCOMM Workshop on Internet Measurement**

Full text available: pdf(1.18 MB) Additional Information: full citation, abstract, references, citings, index terms

Accurate network traffic measurement is required for accounting, bandwidth provisioning, and detecting DOS attacks. However, keeping a counter to measure the traffic sent by each of a million concurrent flows is too expensive (using SRAM) or slow (using DRAM). The current state-of-the-art (e.g., Cisco NetFlow) methods which count periodically sampled packets are slow, inaccurate, and memory-intensive. Our paper introduces a paradigm shift by concentrating on the problem of measuring only "heavy" ...

142 Passive measurements: Characteristics of network traffic flow anomalies

Paul Barford, David Plonka

November 2001 **Proceedings of the 1st ACM SIGCOMM Workshop on Internet Measurement**

Full text available: pdf(2.94 MB) Additional Information: full citation, references, citings, index terms

143 Traffic characterization: Early measurements of a cluster-based architecture for P2P systems

Balachander Krishnamurthy, Jia Wang, Yinglian Xie

November 2001 **Proceedings of the 1st ACM SIGCOMM Workshop on Internet Measurement**

Full text available: pdf(1.19 MB) Additional Information: full citation, references, citings, index terms

144 Session C1: information visualization: PingTV: a case study in visual network monitoring

Alexander Gubin, William Yurcik, Larry Brumbaugh

October 2001 **Proceedings of the conference on Visualization '01**

Full text available: pdf(609.94 KB) Publisher Site Additional Information: full citation, abstract, references, index terms

PingTV generates a logical map of a network that is used as an overlay on a physical geographical image of the location from the user perspective (buildings, floors within buildings, etc.). PingTV is used at Illinois State University as a visualization tool to communicate real-time network conditions to the university community via a dedicated channel on the campus cable TV system. Colored symbols allow students and staff to discern high-congestion "rush hours" and understand why their specific ...

Keywords: active network measurement, network visualization, real-time television monitoring system

145 Session 5: less is more: NATE: Network Analysis of Anomalous Traffic Events, a low-cost approach

Carol Taylor, Jim Alves-Foss

September 2001 **Proceedings of the 2001 workshop on New security paradigms**

Full text available: pdf(709.08 KB) Additional Information: full citation, abstract, references, citings, index terms

A new approach to network intrusion detection is needed to solve the monitoring problems of high volume network data and the time constraints for Intrusion Detection System (IDS) management. Most current network IDS's have not been specifically designed for high speed traffic or low maintenance. We propose a solution to these problems which we call NATE, Network Analysis of Anomalous Traffic Events. Our approach features minimal network traffic measurement, an anomaly-based detection method, and ...

146 A comprehensive approach to signaling, transmission, and traffic management for wireless ATM networks

Anthony Burrell, P. Papantoni-Kazakos

September 2001 **Wireless Networks**, Volume 7 Issue 4

Full text available: pdf(331.30 KB) Additional Information: full citation, abstract, references, index terms

We propose and evaluate a signaling and transmission algorithmic system for wireless digital networks, in conjunction with a Traffic Monitoring Algorithm (TMA) for dynamic capacity allocation in multimedia ATM environments. The deployed signaling protocol is stable, and two transmission techniques are compared: a Framed Time-Domain Based (FTDB) technique and a Framed CDMA (FCDMA) technique. The overall signaling/transmission/traffic monitoring proposed system has powerful performance characteris ...

Keywords: multimedia environments, signaling and transmission, traffic monitoring, wireless

147 Peer-to-peer based recommendations for mobile commerce

Amund Tveit

July 2001 **Proceedings of the 1st international workshop on Mobile commerce**

Full text available: pdf(304.10 KB) Additional Information: full citation, abstract, references, citings, index terms

With the increasing number of mobile commerce facilities, there are challenges in providing customers useful recommendations about interesting products and services.

In this paper a Peer-to-Peer (P2P) based collaborative filtering architecture for the support of product and service recommendations for mobile customers is considered. Mobile customers are represented by software assistant agents that act like peers in the processing of recommendations.

148 Using mobile agents for network resource discovery in peer-to-peer networks
Cameron Ross Dunne
June 2001 **ACM SIGecom Exchanges**, Volume 2 Issue 3

Full text available: pdf(42.35 KB) Additional Information: full citation, abstract, references, index terms

Peer-to-Peer networks continue to grow in popularity. However network resource discovery still remains a substantial problem within them. In this paper we will cover some of the more popular current solutions to this problem. We will then propose a mobile agent based solution to allow for dynamic network resource discovery.

Keywords: Peer-to-Peer, mobile agents, resource discovery

149 Deriving traffic demands for operational IP networks: methodology and experience
Anja Feldmann, Albert Greenberg, Carsten Lund, Nick Reingold, Jennifer Rexford, Fred True
June 2001 **IEEE/ACM Transactions on Networking (TON)**, Volume 9 Issue 3

Full text available: pdf(212.92 KB) Additional Information: full citation, abstract, references, citings, index terms

Engineering a large IP backbone network without an accurate network-wide view of the traffic demands is challenging. Shifts in user behavior, changes in routing policies, and failures of network elements can result in significant (and sudden) fluctuations in load. In this paper, we present a model of traffic demands to support traffic engineering and performance debugging of large Internet Service Provider networks. By defining a traffic demand as a volume of load originating from an ingres ...

Keywords: Internet, measurement, routing, traffic engineering

150 Papers: Voice over IP performance monitoring
R. G. Cole, J. H. Rosenbluth
April 2001 **ACM SIGCOMM Computer Communication Review**, Volume 31 Issue 2

Full text available: pdf(1.35 MB) Additional Information: full citation, abstract, references, citings

We describe a method for monitoring Voice over IP (VoIP) applications based upon a reduction of the ITU-T's E-Model to transport level, measurable quantities. In the process, 1) we identify the relevant transport level quantities, 2) we discuss the tradeoffs between placing the monitors within the VoIP gateways versus placement of the monitors within the transport path, and 3) we identify several areas where further work and consensus within the industry are required. We discover that the releva ...

151 Increasing the observability of Internet behavior
Thomas M. Chen
January 2001 **Communications of the ACM**, Volume 44 Issue 1

Full text available: pdf(104.15 KB) html(32.11 KB) Additional Information: full citation, references, index terms, review

152 Challenges and approaches in providing QoS monitoring
Yuming Jiang, Chen-Khong Tham, Chi-Chung Ko
November 2000 **International Journal of Network Management**, Volume 10 Issue 6

Additional Information:

Full text available: pdf(208.17 KB) full citation, abstract, references, citings, index terms

This paper presents a brief survey of current QoS monitoring-related mechanisms, followed by a discussion of the challenges involved in providing QoS distribution monitoring. Several approaches are then proposed to meet these challenges. Finally, the issues that remain open are discussed. Copyright © 2000 John Wiley & Sons, Ltd.

153 A hierarchical multicast monitoring scheme

Joerg Walz, Brian Neil Levine
November 2000 **Proceedings of NGC 2000 on Networked group communication**

Full text available: pdf(1.29 MB) Additional Information: full citation, abstract, references, index terms

Deployment of multicast routing services in corporate networks and Internet Service Providers is still tentative. Among other problems, there is a lack of monitoring and management tools and systems. Previous work in multicast management has failed to address the scalability problem present in multicast fault isolation and reporting. We propose a hierarchical, passive monitoring scheme, HPMM, that relies on a series of pre-deployed, self-organized monitoring daemons. With HPMM, fault message ...

154 Seven comments on charging and billing

Philip Ginzboorg
November 2000 **Communications of the ACM**, Volume 43 Issue 11

Full text available: pdf(86.18 KB) html(19.65 KB) Additional Information: full citation, references, index terms

155 Papers: mmdump: a tool for monitoring internet multimedia traffic

Jacobus van der Merwe, Ramón Cáceres, Yang-hua Chu, Cormac Sreenan
October 2000 **ACM SIGCOMM Computer Communication Review**, Volume 30 Issue 5

Full text available: pdf(1.14 MB) Additional Information: full citation, abstract, references, citings

Internet multimedia traffic is increasing as applications like streaming media and packet telephony grow in popularity. It is important to monitor the volume and characteristics of this traffic, particularly because its behavior in the face of network congestion differs from that of the currently dominant TCP traffic. To monitor traffic on a high-speed link for extended periods, it is not practical to blindly capture all packets that traverse the link. We present *mmdump*, a tool that parse ...

156 From service configuration through performance monitoring to fault detection: implementing an integrated and automated network maintenance platform for enhancing wide area transaction access services

Symeon Papavassiliou, Mike Pace
September 2000 **International Journal of Network Management**, Volume 10 Issue 5

Full text available: pdf(961.05 KB) Additional Information: full citation, abstract, references, index terms

The design and implementation of integrated and automated network-service management platforms that can seamlessly configure services, monitor service-network performance, and detect network faults are of great importance and interest to the service and network providers. In this paper we describe a set of integrated Operations Support Systems (OSS) that implement proactive network maintenance process in Wide Area Transaction Access Services. Copyright © 2000 John ...

157 A performance monitoring system for VoIP gateways

Adrian E. Conway

September 2000 **Proceedings of the second international workshop on Software and performance**
Full text available: pdf(97.11 KB) Additional Information: full citation, references, index terms

Keywords: IP telephony, PRI statistics, dial peer, gateway, performance monitoring, voice-over-IP

158 Monitoring QoS distribution in multimedia networks
Chen-Khong Tham, Yuming Jiang, Chi-Chung Ko
March 2000 **International Journal of Network Management**, Volume 10 Issue 2
Full text available: pdf(372.73 KB) Additional Information: full citation, abstract, references, citings, index terms

This paper presents two schemes, relevant monitor (RM)-based and improved relevant monitor (IRM)-based, for QoS distribution monitoring. With these schemes, when monitoring a real-time flow, a network manager can locate relevant monitors that are metering the flow. Copyright © 2000 John Wiley & Sons, Ltd.

159 PROMS: a PRO-active Monitoring System for SS7 networks
Ren-Hung M. Hwang, Pao-Ta M. Yu
February 2000 **International Journal of Network Management**, Volume 10 Issue 1
Full text available: pdf(379.71 KB) Additional Information: full citation, abstract, references, index terms

In this paper, we propose a PRO-active Monitoring System (PROMS) for SS7 networks, which actively monitors all signaling network management messages of SS7 networks, alerts operators when there is a potential network error, and provides intelligent diagnosis based on fuzzy logic and neural networks. Copyright © 2000 John Wiley & Sons, Ltd.

160 Is paper safer? The role of paper flight strips in air traffic control
Wendy E. MacKay
December 1999 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 6 Issue 4
Full text available: pdf(1.13 MB) Additional Information: full citation, abstract, references, citings, index terms, review

Air traffic control is a complex, safety-critical activity, with well-established and successful work practices. Yet many attempts to automate the existing system have failed because controllers remain attached to a key work artifact: the paper flight strip. This article describes a four-month intensive study of a team of Paris en-route controllers in order to understand their use of paper flight strips. The article also describes a comparison study of eight different control rooms in Franc ...

Keywords: activity theory, affordances, air traffic control, annotation, ethnographic study, paper flight strips, peripheral awareness, safety factors

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2005 ACM, Inc.
Terms of Usage Privacy Policy Code of Ethics Contact Us

Useful downloads: Adobe Acrobat QuickTime Windows Media Player Real Player

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE

IEEE

Membership Publications/Services Standards Conferences Careers/Jobs

IEEE Xplore® RELEASE 1.8

Welcome
United States Patent and Trademark Office

Help FAQ Terms IEEE Peer Review Quick Links

» Se

Welcome to IEEE Xplore®
- Home
- What Can I Access?
- Log-out

Tables of Contents
- Journals & Magazines
- Conference Proceedings
- Standards

Search
- By Author
- Basic
- Advanced
- CrossRef

Member Services
- Join IEEE
- Establish IEEE Web Account
- Access the IEEE Member Digital Library

IEEE Enterprise
- Access the IEEE Enterprise File Cabinet

Your search matched **2** of **1128145** documents.
A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

Refine This Search:
You may refine your search by editing the current search expression or enteri new one in the text box.

monitoring<and>traffic<and>peer Search

☐ Check to search within this result set

Results Key:
JNL = Journal or Magazine **CNF** = Conference **STD** = Standard

1 **Wide-area IP multicast traffic characterization**
Beverly, R.; Claffy, K.C.;
Network, IEEE , Volume: 17 , Issue: 1 , Jan.-Feb. 2003
Pages:8 - 15

[Abstract] [PDF Full-Text (2680 KB)] **IEEE JNL**

2 **Proceedings of the 3rd IEEE Workshop on IP Operations & Managem (IPOM 2003) (IEEE Cat. No.03EX764)**
Beyah, R.; Sivakumar, R.; Copeland, J.;
IP Operations and Management, 2003. (IPOM 2003). 3rd IEEE Workshop on , Oct. 2003
[Abstract] [PDF Full-Text (565 KB)] **IEEE CNF**

Print Format

Home | Log-out | Journals | Conference Proceedings | Standards | Search by Author | Basic Search | Advanced Search | Join IEEE | Web Account | New this week | OPAC Linking Information | Your Feedback | Technical Support | Email Alerting | No Robots Please | Release Notes | IEEE Online Publications | Help | FAQ | Terms | Back to Top

Copyright © 2004 IEEE — All rights reserved

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE

IEEE

Membership Publications/Services Standards Conferences Careers/Jobs

IEEE Xplore® RELEASE 1.8

Welcome
United States Patent and Trademark Office

Help FAQ Terms IEEE Peer Review Quick Links

» ABS

Welcome to IEEE Xplore®
- Home
- What Can I Access?
- Log-out

Tables of Contents
- Journals & Magazines
- Conference Proceedings
- Standards

Search
- By Author
- Basic
- Advanced
- CrossRef

Member Services
- Join IEEE
- Establish IEEE Web Account
- Access the IEEE Member Digital Library

IEEE Enterprise
- Access the IEEE Enterprise File Cabinet

Print Format

Search Results [PDF FULL-TEXT 565 KB] DOWNLOAD CITATION

Request Permissions RIGHTSLINK

Proceedings of the 3rd IEEE Workshop on IP Opera Management (IPOM 2003) (IEEE Cat. No.03EX764)

Beyah, R. Sivakumar, R. Copeland, J.
Georgia Institute of Technology

This paper appears in: **IP Operations and Management, 2003. (IPOM 20 IEEE Workshop on**

Publication Date: 1-3 Oct. 2003
ISSN:
Number of Pages: xii+142
Inspec Accession Number: 7913668

Abstract:
Not Available

Index Terms:
4G mobile communication IP networks Internet telephony broadband networks cellu digital subscriber lines internetworking multipath channels multiprotocol label switchi service radio access networks telecommunication network management telecommur network routing telecommunication **traffic** virtual private networks 4G network DSL management IP networks IP operations IP telephony IP virtual private networks IF migration MPLS QoS broadband access networks broadband fixed wireless broac networks cellular networks internetworking multilayered networks multipath **traffic** management network **monitoring** packet analysis **peer-to-peer** services robust ro telephony routing **traffic** engineering

Documents that cite this document
There are no citing documents available in IEEE Xplore at this time.

Search Results [PDF FULL-TEXT 565 KB] DOWNLOAD CITATION

Copyright © 2004 IEEE — All rights reserved

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE

IEEE

Membership Publications/Services Standards Conferences Careers/Jobs

IEEE Xplore® RELEASE 1.8

Welcome
United States Patent and Trademark Office

Help FAQ Terms IEEE Peer Review Quick Links

» Se

Welcome to IEEE Xplore®
- Home
- What Can I Access?
- Log-out

Tables of Contents
- Journals & Magazines
- Conference Proceedings
- Standards

Search
- By Author
- Basic
- Advanced
- CrossRef

Member Services
- Join IEEE
- Establish IEEE Web Account
- Access the IEEE Member Digital Library

IEEE Enterprise
- Access the IEEE Enterprise File Cabinet

Your search matched **1** of **1128145** documents.
A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

Refine This Search:
You may refine your search by editing the current search expression or enteri new one in the text box.

(monitor <or> monitoring <or> monitors) <and> traffi Search

☐ Check to search within this result set

Results Key:
JNL = Journal or Magazine **CNF** = Conference **STD** = Standard

1 **Proceedings of the 3rd IEEE Workshop on IP Operations & Managem (IPOM 2003) (IEEE Cat. No.03EX764)**
Beyah, R.; Sivakumar, R.; Copeland, J.;
IP Operations and Management, 2003. (IPOM 2003). 3rd IEEE Workshop on , Oct. 2003
[Abstract] [PDF Full-Text (565 KB)] **IEEE CNF**

Print Format

Home | Log-out | Journals | Conference Proceedings | Standards | Search by Author | Basic Search | Advanced Search | Join IEEE | Web Account | New this week | OPAC Linking Information | Your Feedback | Technical Support | Email Alerting | No Robots Please | Release Notes | IEEE Online Publications | Help | FAQ | Terms | Back to Top

Copyright © 2004 IEEE — All rights reserved

PORTAL
US Patent & Trademark Office

Subscribe (Full Service) Register (Limited Service, Free) Login

Search: The ACM Digital Library The Guide

denial service peer SEARCH

THE ACM DIGITAL LIBRARY

Feedback Report a problem Satisfaction survey

Terms used **denial service peer** Found **7,184** of **150,885**

Sort results by: relevance
Display results: expanded form
Save results to a Binder
Search Tips
Open results in a new window

Try an Advanced Search
Try this search in The ACM Guide

Results 1 - 20 of 200 Result page: **1** 2 3 4 5 6 7 8 9 10 next
Best 200 shown Relevance scale

1 Peer to peer networks: Query-flood DoS attacks in gnutella
Neil Daswani, Hector Garcia-Molina
November 2002 **Proceedings of the 9th ACM conference on Computer and communications security**
Full text available: pdf(465.15 KB) Additional Information: full citation, abstract, references, citings, index terms

We describe a simple but effective traffic model that can be used to understand the effects of denial-of-service (DoS) attacks based on query floods in Gnutella networks. We run simulations based on the model to analyze how different choices of network topology and application level load balancing policies can minimize the effect of these types of DoS attacks. In addition, we also study how damage caused by query floods is distributed throughout the network, and how application-level policies ca ...

Keywords: denial-of-service, peer-to-peer, security

2 The design and implementation of a next generation name service for the internet
Venugopalan Ramasubramanian, Emin Gün Sirer
August 2004 **ACM SIGCOMM Computer Communication Review , Proceedings of the 2004 conference on Applications, technologies, architectures, and protocols for computer communications**, Volume 34 Issue 4
Full text available: pdf(472.93 KB) Additional Information: full citation, abstract, references, citings, index terms

Name services are critical for mapping logical resource names to physical resources in large-scale distributed systems. The Domain Name System (DNS) used on the Internet, however, is slow, vulnerable to denial of service attacks, and does not support fast updates. These problems stem fundamentally from the structure of the legacy DNS.This paper describes the design and implementation of the Cooperative Domain Name System (CoDoNS), a novel name service, which provides high lookup performance thro ...

Keywords: DNS, peer to peer, proactive caching

3 Tolerating denial-of-service attacks using overlay networks: impact of topology
Ju Wang, Linyuan Lu, Andrew A. Chien
October 2003 **Proceedings of the 2003 ACM workshop on Survivable and self-regenerative systems: in association with 10th ACM Conference on**

Computer and Communications Security

Full text available: pdf(1.03 MB) Additional Information: full citation, abstract, references

Proxy-network based overlays have been proposed to protect Internet Applications against Denial-of-Service attacks by hiding an application's location. We study how a proxy network's topology influences the effectiveness of location-hiding. We present two theorems which quantitatively characterize when proxy networks are robust against attacks (attackers' impact can be quickly and completely removed), and when they are vulnerable to attacks (attackers' impact cannot be completely removed). Us ...

4 A churn-resistant peer-to-peer web caching system

Prakash Linga, Indranil Gupta, Ken Birman

October 2003 **Proceedings of the 2003 ACM workshop on Survivable and self-regenerative systems: in association with 10th ACM Conference on Computer and Communications Security**

Full text available: pdf(1.07 MB) Additional Information: full citation, abstract, references

Denial of service attacks on peer-to-peer (p2p) systems can arise from sources otherwise considered non-malicious. We focus on one such commonly prevalent source, called "churn". Churn arises from continued and rapid arrival and failure (or departure) of a large number of participants in the system, and traces from deployments have shown that it can lead to extremely stressful networking conditions. It has the potential to increase host loads and block a large fraction of normal insert and lo ...

5 Security Mechanisms in High-Level Network Protocols

Victor L. Voydock, Stephen T. Kent

June 1983 **ACM Computing Surveys (CSUR)**, Volume 15 Issue 2

Full text available: pdf(3.23 MB) Additional Information: full citation, references, citings

6 Emerging applications: PPay: micropayments for peer-to-peer systems

Beverly Yang, Hector Garcia-Molina

October 2003 **Proceedings of the 10th ACM conference on Computer and communications security**

Full text available: pdf(295.35 KB) Additional Information: full citation, abstract, references, citings, index terms

Emerging economic P2P applications share the common need for an efficient, secure payment mechanism. In this paper, we present PPay, a micropayment system that exploits unique characteristics of P2P systems to maximize efficiency while maintaining security properties. We show how the basic PPay protocol far outperforms existing micropayment schemes, while guaranteeing that all coin fraud is detectable, traceable and unprofitable. We also present and analyze several extensions to PPay that furthe ...

Keywords: micropayments, peer-to-peer

7 Special topic section on peer to peer data management: P-Grid: a self-organizing structured P2P system

Karl Aberer, Philippe Cudré-Mauroux, Anwitaman Datta, Zoran Despotovic, Manfred Hauswirth, Magdalena Punceva, Roman Schmidt

September 2003 **ACM SIGMOD Record**, Volume 32 Issue 3

Full text available: pdf(63.00 KB) Additional Information: full citation, references, citings

8 A survey of peer-to-peer content distribution technologies

Stephanos Androutsellis-Theotokis, Diomidis Spinellis

December 2004 **ACM Computing Surveys (CSUR)**, Volume 36 Issue 4

Full text available: pdf(517.77 KB) Additional Information: full citation, abstract, references, index terms

Distributed computer architectures labeled "peer-to-peer" are designed for the sharing of computer resources (content, storage, CPU cycles) by direct exchange, rather than requiring the intermediation or support of a centralized server or authority. Peer-to-peer architectures are characterized by their ability to adapt to failures and accommodate transient populations of nodes while maintaining acceptable connectivity and performance.Content distribution is an important peer-to-peer application ...

Keywords: Content distribution, DHT, DOLR, grid computing, p2p, peer-to-peer

9 Collaborative backup for dependable mobile applications

Marc-Olivier Killijian, David Powell, Michel Banâtre, Paul Couderc, Yves Roudier

October 2004 **Proceedings of the 2nd workshop on Middleware for pervasive and ad-hoc computing**

Full text available: pdf(265.85 KB) Additional Information: full citation, abstract, references, index terms

We describe the work we are conducting on new middleware services for dependable and secure mobile systems. This work is based on approaches à la peer-to-peer in order to circumvent the problems introduced by the lack of infrastructure in self-organizing networks of mobile nodes, such as MANETs. The mechanisms we propose are based on collaboration between peer mobile devices to provide middleware services such as trust management and critical data storage. This short paper gives a brie ...

Keywords: collaboration, data back-up, mobile applications

10 SOS: secure overlay services

Angelos D. Keromytis, Vishal Misra, Dan Rubenstein

August 2002 **ACM SIGCOMM Computer Communication Review , Proceedings of the 2002 conference on Applications, technologies, architectures, and protocols for computer communications**, Volume 32 Issue 4

Full text available: pdf(210.90 KB) Additional Information: full citation, abstract, references, citings, index terms

Denial of service (DoS) attacks continue to threaten the reliability of networking systems. Previous approaches for protecting networks from DoS attacks are reactive in that they wait for an attack to be launched before taking appropriate measures to protect the network. This leaves the door open for other attacks that use more sophisticated methods to mask their traffic.We propose an architecture called Secure Overlay Services (SOS) that proactively prevents DoS attacks, geared toward supportin ...

Keywords: denial of service attacks, network security, overlay networks

11 Key management and key exchange: Efficient, DoS-resistant, secure key exchange for internet protocols

William Aiello, Steven M. Bellovin, Matt Blaze, John Ioannidis, Omer Reingold, Ran Canetti, Angelos D. Keromytis

November 2002 **Proceedings of the 9th ACM conference on Computer and communications security**

Full text available: pdf(118.52 KB) Additional Information: full citation, abstract, references, index terms

We describe JFK, a new key exchange protocol, primarily designed for use in the IP Security Architecture. It is simple, efficient, and secure; we sketch a proof of the latter property. JFK also has a number of novel engineering parameters that permit a variety of trade-offs, most notably the ability to balance the need for perfect forward secrecy against susceptibility to denial-of-service attacks.

Keywords: cryptography, denial of service attacks

12 Interoperability of peer-to-peer file sharing protocols

Siu Man Lui, Sai Ho Kwok

June 2002 **ACM SIGecom Exchanges**, Volume 3 Issue 3

Full text available: pdf(42.71 KB) Additional Information: full citation, abstract, references, index terms

Peer-to-Peer (P2P) file sharing software has brought a hot discussion on P2P file sharing among all businesses. Freenet, Gnutella, and Napster are the three most popular P2P file sharing applications. They use three distinct protocols and these protocols come with different characteristics. In this paper, we discuss the protocols of these P2P file sharing applications, in terms of the methodologies used for peer registry, query and content sharing. In order to maximize the benefit of P2P file sh ...

Keywords: Gnutella, Napster, Peer-to-Peer

13 Session 8: systems support for multimedia: Cost-effective streaming server implementation using Hi-tactix

Damien Le Moal, Tadashi Takeuchi, Tadaaki Bandoh

December 2002 **Proceedings of the tenth ACM international conference on Multimedia**

Full text available: pdf(271.85 KB) Additional Information: full citation, abstract, references, index terms

High performance and high quality for continuous media stream delivery needed by streaming server systems cannot be achieved efficiently using general-purpose operating systems, due to the overhead of the I/O mechanism implementation generally used. Special OS combined with powerful hardware can deliver better performance and quality but increases development complexity and deployment costs. The External I/O Engine Architecture adopts a hybrid approach, implementing streaming engines using the s ...

Keywords: audio/video streaming, operating system, quicktime, real-time

14 FIRE: flexible Intra-AS routing environment

Craig Partridge, Alex C. Snoeren, W. Timothy Strayer, Beverly Schwartz, Matthew Condell, Isidro Castiñeyra

August 2000 **ACM SIGCOMM Computer Communication Review , Proceedings of the conference on Applications, Technologies, Architectures, and Protocols for Computer Communication**, Volume 30 Issue 4

Full text available: pdf(107.75 KB) Additional Information: full citation, abstract, references, index terms

Current routing protocols are monolithic, specifying the algorithm used to construct forwarding tables, the metric used by the algorithm (generally some form of hop-count), and the protocol used to distribute these metrics as an integrated package. The Flexible Intra-AS Routing Environment (FIRE) is a link-state, intra-domain routing protocol that decouples these components. FIRE supports run-time-pro- grammable algorithms and metrics over a secure link-state distribution protocol. By allow ...

15 The case for TCP/IP puzzles

Wu-chang Feng
August 2003 **ACM SIGCOMM Computer Communication Review , Proceedings of the ACM SIGCOMM workshop on Future directions in network architecture**, Volume 33 Issue 4
Full text available: pdf(256.51 KB) Additional Information: full citation, abstract, references

Since the Morris worm was unleashed in 1988, distributed denial-of-service (DDoS) attacks via worms and viruses have continued to periodically disrupt the Internet. Client puzzles have been proposed as one mechanism for protecting protocols against denial of service attacks. In this paper, we argue that such puzzles *must* be placed within the slim waistline of the TCP/IP protocol stack in order to truly provide protection. We then describe several scenarios in which TCP/IP puzzles could be ...

16 Secure group management: Admission control in Peer-to-Peer: design and performance evaluation
Nitesh Saxena, Gene Tsudik, Jeong Hyun Yi
October 2003 **Proceedings of the 1st ACM workshop on Security of ad hoc and sensor networks**
Full text available: pdf(191.02 KB) Additional Information: full citation, abstract, references, index terms

Peer-to-Peer (P2P) applications and services are very common in today's computing. The popularity of the P2P paradigm prompts the need for specialized security services which makes P2P security an important and challenging research topic. Most prior work in P2P security focused on authentication, key management and secure communication. However, an important pre-requisite for many P2P security services is secure admission, or how one becomes a *peer* in a P2P setting. This issue has been he ...

Keywords: access control, admission control, group membership, mobile ad-hoc networks, peer-to-peer, performance, security

17 Network security: Pong-cache poisoning in GUESS
Neil Daswani, Hector Garcia-Molina
October 2004 **Proceedings of the 11th ACM conference on Computer and communications security**
Full text available: pdf(247.12 KB) Additional Information: full citation, abstract, references, index terms

This paper studies the problem of resource discovery in unstructured peer-to-peer (P2P) systems. We propose simple policies that make the discovery of resources resilient to coordinated attacks by malicious nodes. We focus on a novel P2P protocol called GUESS [8] that uses a pong cache, a set of currently known nodes, to discover new ones. We define a simple, abstract model of a GUESS network,and We describe how to limit pong cache poisoning, a condition in which the ids of malicious nodes ap ...

Keywords: denial-of-service, peer-to-peer, security

18 Measurement: Automatically inferring patterns of resource consumption in network traffic
Cristian Estan, Stefan Savage, George Varghese
August 2003 **Proceedings of the 2003 conference on Applications, technologies, architectures, and protocols for computer communications**
Full text available: pdf(260.43 KB) Additional Information: full citation, abstract, references, citings, index terms

The Internet service model emphasizes flexibility -- any node can send any type of traffic at any time. While this design has allowed new applications and usage models to flourish, it also makes the job of network management significantly more challenging. This paper

describes a new method of traffic characterization that automatically groups traffic into minimal clusters of conspicuous consumption. Rather than providing a static analysis specialized to capture flows, applications, or network-to ...

Keywords: data mining, network monitoring, traffic measurement

19 Session 3: inference and statistical analysis: A signal analysis of network traffic anomalies

Paul Barford, Jeffery Kline, David Plonka, Amos Ron

November 2002 **Proceedings of the 2nd ACM SIGCOMM Workshop on Internet measurment**

Full text available: pdf(1.52 MB) Additional Information: full citation, abstract, references, citings, index terms

Identifying anomalies rapidly and accurately is critical to the efficient operation of large computer networks. Accurately characterizing important classes of anomalies greatly facilitates their identification; however, the subtleties and complexities of anomalous traffic can easily confound this process. In this paper we report results of signal analysis of four classes of network traffic anomalies: outages, flash crowds, attacks and measurement failures. Data for this study consists of IP flow ...

20 Security analysis: Analysis of the 802.11i 4-way handshake

Changhua He, John C. Mitchell

October 2004 **Proceedings of the 2004 ACM workshop on Wireless security**

Full text available: pdf(328.36 KB) Additional Information: full citation, abstract, references, index terms

802.11i is an IEEE standard designed to provide enhanced MAC security in wireless networks. The authentication process involves three entities: the supplicant (wireless device), the authenticator (access point), and the authentication server (e.g., a backend RADIUS server). A 4-Way Handshake must be executed between the supplicant and the authenticator to derive a fresh pairwise key and/or group key for subsequent data transmissions.We analyze the 4-Way Handshake protocol using a finite-state ve ...

Keywords: 4-way handshake, 802.11i, WLAN, authentication, denial-of-service, key management

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2005 ACM, Inc.
Terms of Usage Privacy Policy Code of Ethics Contact Us

Useful downloads: Adobe Acrobat QuickTime Windows Media Player Real Player

PORTAL
US Patent & Trademark Office

Subscribe (Full Service) Register (Limited Service, Free) Login

Search: The ACM Digital Library The Guide

denial service peer SEARCH

THE ACM DIGITAL LIBRARY

Feedback Report a problem Satisfaction survey

Terms used **denial service peer** Found **7,184** of **150,885**

Sort results by: publication date
Display results: expanded form
Save results to a Binder
Search Tips
Open results in a new window

Try an Advanced Search
Try this search in The ACM Guide

Results 161 - 180 of 200 Result page: previous 1 2 3 4 5 6 7 8 **9** 10 next
Best 200 shown Relevance scale

161 Resilient overlay networks
David Andersen, Hari Balakrishnan, Frans Kaashoek, Robert Morris
October 2001 **ACM SIGOPS Operating Systems Review , Proceedings of the eighteenth ACM symposium on Operating systems principles**, Volume 35 Issue 5
Full text available: pdf(1.50 MB) Additional Information: full citation, abstract, references, citings, index terms

A Resilient Overlay Network (RON) is an architecture that allows distributed Internet applications to detect and recover from path outages and periods of degraded performance within several seconds, improving over today's wide-area routing protocols that take at least several minutes to recover. A RON is an application-layer overlay on top of the existing Internet routing substrate. The RON nodes monitor the functioning and quality of the Internet paths among themselves, and use this information ...

162 A security model for distributed computing
Iliya K. Georgiev, Ivo I. Georgiev
October 2001 **Journal of Computing Sciences in Colleges**, Volume 17 Issue 1
Full text available: pdf(47.43 KB) Additional Information: full citation, abstract, references, index terms

This paper presents a multi-tier model for secure computing as a teaching method platform. The security model is based on establishing the trustworthiness and role of each component in a distributed computing environment: trusted users, trusted servers, trusted administrators, untrusted client, untrusted communication media and intermediate systems, etc. The model provides a basis for teaching and for program system design. The security dimensions (both social and technical) can be considered in ...

163 IDMaps: a global internet host distance estimation service
Paul Francis, Sugih Jamin, Cheng Jin, Yixin Jin, Danny Raz, Yuval Shavitt, Lixia Zhang
October 2001 **IEEE/ACM Transactions on Networking (TON)**, Volume 9 Issue 5
Full text available: pdf(267.64 KB) Additional Information: full citation, abstract, references, citings, index terms

There is an increasing need to quickly and efficiently learn network distances, in terms of metrics such as latency or bandwidth, between Internet hosts. For example, Internet content providers often place data and server mirrors throughout the Internet to improve access latency for clients, and it is necessary to direct clients to the nearest mirrors based on some distance metric in order to realize the benefit of mirrors. We suggest a scalable Internet-wide architecture, called IDMaps, which m ...

Keywords: Distributed algorithms, modeling, network service, scalability

164 Current research trends in internet servers
K. Kant, Prasant Mohapatra
September 2001 **ACM SIGMETRICS Performance Evaluation Review**, Volume 29 Issue 2
Full text available: pdf(366.76 KB) Additional Information: full citation, references

165 IPNL: A NAT-extended internet architecture
Paul Francis Ramakrishna
August 2001 **ACM SIGCOMM Computer Communication Review , Proceedings of the 2001 conference on Applications, technologies, architectures, and protocols for computer communications**, Volume 31 Issue 4
Full text available: pdf(241.65 KB) Additional Information: full citation, references, citings, index terms

166 Hash-based IP traceback
Alex C. Snoeren
August 2001 **ACM SIGCOMM Computer Communication Review , Proceedings of the 2001 conference on Applications, technologies, architectures, and protocols for computer communications**, Volume 31 Issue 4
Full text available: pdf(179.03 KB) Additional Information: full citation, references, citings, index terms

167 On the effectiveness of route-based packet filtering for distributed DoS attack prevention in power-law internets
Kihong Park, Heejo Lee
August 2001 **ACM SIGCOMM Computer Communication Review , Proceedings of the 2001 conference on Applications, technologies, architectures, and protocols for computer communications**, Volume 31 Issue 4
Full text available: pdf(313.26 KB) Additional Information: full citation, references, citings, index terms

168 A scalable content-addressable network
Sylvia Ratnasamy, Paul Francis, Mark Handley, Richard Karp, Scott Schenker
August 2001 **ACM SIGCOMM Computer Communication Review , Proceedings of the 2001 conference on Applications, technologies, architectures, and protocols for computer communications**, Volume 31 Issue 4
Full text available: pdf(155.64 KB) Additional Information: full citation, references, citings, index terms

169 Rethinking the design of the Internet: the end-to-end arguments vs. the brave new world
Marjory S. Blumenthal, David D. Clark
August 2001 **ACM Transactions on Internet Technology (TOIT)**, Volume 1 Issue 1
Full text available: pdf(176.33 KB) Additional Information: full citation, abstract, references, citings, index terms

This article looks at the Internet and the changing set of requirements for the Internet as

it becomes more commercial, more oriented toward the consumer, and used for a wider set of purposes. We discuss a set of principles that have guided the design of the Internet, called the end-to-end arguments, and we conclude that there is a risk that the range of new requirements now emerging could have the consequence of compromising the Internet's original design principles. Were ...

Keywords: ISP, Internet, end-to-end argument

170 Papers: An analysis of using reflectors for distributed denial-of-service attacks

Vern Paxson

July 2001 **ACM SIGCOMM Computer Communication Review**, Volume 31 Issue 3

Full text available: pdf(1.02 MB) Additional Information: full citation, abstract, references, citings

Attackers can render distributed denial-of-service attacks more difficult to defend against by bouncing their flooding traffic off of *reflectors*; that is, by spoofing requests from the victim to a large set of Internet servers that will in turn send their combined replies to the victim. The resulting dilution of locality in the flooding stream complicates the victim's abilities both to isolate the attack traffic in order to block it, and to use traceback techniques for locating the source ...

171 Deriving traffic demands for operational IP networks: methodology and experience

Anja Feldmann, Albert Greenberg, Carsten Lund, Nick Reingold, Jennifer Rexford, Fred True

June 2001 **IEEE/ACM Transactions on Networking (TON)**, Volume 9 Issue 3

Full text available: pdf(212.92 KB) Additional Information: full citation, abstract, references, citings, index terms

Engineering a large IP backbone network without an accurate network-wide view of the traffic demands is challenging. Shifts in user behavior, changes in routing policies, and failures of network elements can result in significant (and sudden) fluctuations in load. In this paper, we present a model of traffic demands to support traffic engineering and performance debugging of large Internet Service Provider networks. By defining a traffic demand as a volume of load originating from an ingres ...

Keywords: Internet, measurement, routing, traffic engineering

172 Protocol architectures: A framework for scalable global IP-anycast (GIA)

Dina Katabi, John Wroclawski

April 2001 **ACM SIGCOMM Computer Communication Review**, Volume 31 Issue 2 supplement

Full text available: pdf(3.30 MB) Additional Information: full citation, abstract, references

This paper proposes GIA, a scalable architecture for global IP-anycast. Existing designs for providing IP-anycast must either globally distribute routes to individual anycast groups, or confine each anycast group to a pre-configured topological region. The first approach does not scale because of excessive growth in the routing tables, whereas the second one severely limits the utility of the service. Our design scales by dividing inter-domain anycast routing into two components. The first compo ...

Keywords: anycast, architecture, internet, routing, scalable

173 Exploring the inputs of IS service

Janette Moody

April 2001 **Proceedings of the 2001 ACM SIGCPR conference on Computer personnel research**

Full text available: pdf(285.83 KB) Additional Information: full citation, abstract, references, index terms

The importance of an IS unit's level of service to its internal customers (i.e., end-users) is well recognized (Kettinger and Lee, 1994; Pitt, Watson and Kavan, 1995; Kang and Bradley, 1999). In fact, the level of service provided by the IS unit to its internal customers can ultimately impact the organization's level of service to its external customers, as the IS unit contributes to the overall organizational climate for service (Schneider, White, and Paul, 1998). Much of the research on IS ...

Keywords: information systems service, organizational variables, service instruments, service orientation of IS personnel

174 Viruses and worms: more than a technical problem

M. E. Kabay
March 2001 **Ubiquity**, Volume 2 Issue 3

Full text available: html(17.42 KB) Additional Information: full citation, index terms

175 Using xinetd

José Nazario
March 2001 **Linux Journal**

Full text available: html(15.15 KB) Additional Information: full citation, abstract, index terms

José demonstrates how to start configuring and tweaking xinetd.

176 Software security and privacy risks in mobile e-commerce

Anup K. Ghosh, Tara M. Swaminatha
February 2001 **Communications of the ACM**, Volume 44 Issue 2

Full text available: pdf(90.58 KB) html(38.81 KB) Additional Information: full citation, references, citings, index terms

177 Toward a model of self-administering data

ByungHoon Kang, Robert Wilensky0
January 2001 **Proceedings of the 1st ACM/IEEE-CS joint conference on Digital libraries**

Full text available: pdf(308.08 KB) Additional Information: full citation, abstract, references, index terms

We describe a model of self-administering data. In this model, a declarative description of how a data object should behave is attached to the object, either by a user or by a data input device. A widespread infrastructure of self-administering data handlers is presumed to exist; these handlers are responsible for carrying out the specifications attached to the data. Typically, the specifications express how and to whom the data should be transferred, how it should be incorporated when it i ...

Keywords: asynchonous collaboration, data access model, data management, distributed file system, file sharing, peer to peer, scalable update propagation, self-administering data

178 Testing Intrusion detection systems: a critique of the 1998 and 1999 DARPA intrusion detection system evaluations as performed by Lincoln Laboratory

November 2000 **ACM Transactions on Information and System Security (TISSEC)**, Volume 3 Issue 4

Full text available: pdf(156.16 KB) Additional Information: full citation, abstract, references, citings, index terms, review

In 1998 and again in 1999, the Lincoln Laboratory of MIT conducted a comparative evaluation of intrusion detection systems (IDSs) developed under DARPA funding. While this evaluation represents a significant and monumental undertaking, there are a number of issues associated with its design and execution that remain unsettled. Some methodologies used in the evaluation are questionable and may have biased its results. One problem is that the evaluators have published relatively little concer ...

Keywords: computer security, intrusion detection, receiver operating curves (ROC), software evaluation

179 Workshop on performance and architecture of web servers
Krishna Kant, Prasant Mohapatra
September 2000 **ACM SIGMOD Record**, Volume 29 Issue 3
Full text available: pdf(15.80 KB) Additional Information: full citation, index terms

180 Electronic commerce universal access device-the knowledge-acquiring layered infrastructure (KALI) project
Theodore Chiasson, Carrie Gates
September 2000 **Crossroads**, Volume 7 Issue 1
Full text available: html(35.92 KB) Additional Information: full citation, index terms

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2005 ACM, Inc.
Terms of Usage Privacy Policy Code of Ethics Contact Us

Useful downloads: Adobe Acrobat QuickTime Windows Media Player Real Player